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 David Safford, Jeff Kravitz, Leendert van Doorn
 August 2003 Linux Journal, Volume 2003 Issue 112
 Publisher: Specialized Systems Consultants, Inc.

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The free code behind IBM's new security chip. Menace or protector?

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 Linux Journal Staff
 July 2006 Linux Journal, Volume 2006 Issue 147
 Publisher: Specialized Systems Consultants, Inc.

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 Mike Petullo
 August 2003 Linux Journal, Volume 2003 Issue 112
 Publisher: Specialized Systems Consultants, Inc.

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4 [Privileged operations in the PlanetLab virtualised environment](#)
 Steve Muir, Larry Peterson, Marc Fluczynski, Justin Capps, John Hartman
 January 2006 ACM SIGOPS Operating Systems Review, Volume 40 Issue 1
 Publisher: ACM

 Full text available: [PDF](#) (493.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 65, Citation Count: 1

Virtualised systems have experienced a resurgence in popularity in recent years, whether used to support multiple OSes running on a user's desktop, provide commercial application hosting

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facilities, or isolate a large number of users from each other ...

5 Kosha: A Peer-to-Peer Enhancement for the Network File System

Ali Raza Butt, Troy A. Johnson, Yili Zheng, Y. Charlie Hu

November 2004 SC '04: Proceedings of the 2004 ACM/IEEE conference on Supercomputing

Publisher: IEEE Computer Society

Full text available:  Pdf (311.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 72, Citation Count: 5


This paper presents Kosha, a peer-to-peer (p2p) enhancement for the widely-used Network File System (NFS). Kosha harvests redundant storage space on cluster nodes and user desktops to provide a reliable, shared file system that acts as a large storage ...

6 Encrypted File Systems

Bear Giles

July 1998 Linux Journal, Volume 1998 Issue 51es


Publisher: Specialized Systems Consultants, Inc.

Full text available:  Html (17.22 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 47, Citation Count: 0

Here's a good way to protect your files. Mr. Giles explains how to encrypt your entire file system rather than individual files

7 Virtual servers and checkpoint/restart in mainstream Linux

 Sukadev Bhattiprolu, Eric W. Biederman, Serge Hallyn, Daniel Lezcano

July 2008 ACM SIGOPS Operating Systems Review, Volume 42 Issue 5

Publisher: ACM


Full text available:  Pdf (864.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1484, Downloads (12 Months): 1484, Citation Count: 0

Virtual private servers and application checkpoint and restart are two advanced operating system features which place different but related requirements on the way kernel-provided resources are accessed by userspace. In Linux, kernel resources, such ...

Keywords: checkpoint, mobility, reliability, restart, security, survivability, virtualization

8 On incremental file system development

 Erez Zadok, Rakesh Iyer, Nikolai Joukov, Gopalan Sivathanu, Charles P. Wright

May 2006 ACM Transactions on Storage (TOS), Volume 2 Issue 2

Publisher: ACM

Full text available:  Pdf (260.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 223, Citation Count: 6

Developing file systems from scratch is difficult and error prone. Using layered, or stackable, file systems is a powerful technique to incrementally extend the functionality of existing file systems on commodity OSes at runtime. In this article, we ...


Keywords: I/O manager, IRP, Layered file systems, VFS, extensibility, stackable file systems, vnode

9 Upfront

Linux Journal Staff

November 2003 Linux Journal, Volume 2003 Issue 115

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (10.71 KB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 2, Citation Count: 0

10 [Paranoid penguin: customizing Linux Live cds, Part III](#)

Mick Bauer

July 2008 Linux Journal, Volume 2008 Issue 171

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (89.70 KB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 42, Citation Count: 0

11 [Rapid file system development using ptrace](#)

 Richard P. Spillane, Charles P. Wright, Gopalan Sivathanu, Erez Zadok

June 2007 ExpCS '07: Proceedings of the 2007 workshop on Experimental computer science

Publisher: ACM

Full text available:  [Pdf](#) (192.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 145, Citation Count: 0

Developing kernel-level file systems is a difficult task that requires a significant time investment. For experimental file systems, it is desirable to develop a prototype before investing the time required to develop a kernel-level file system. We have ...

Keywords: monitors, rapid prototyping

12 [Linux Apprentice](#)

Alex Withers

October 1999 Linux Journal, Volume 1999 Issue 66es


Publisher: Specialized Systems Consultants, Inc.

Full text available:  [Html](#) (10.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 4, Citation Count: 0


Creating CDs: Complete instructions for storing your data on CD

13 [Versatility and Unix semantics in namespace unification](#)

 Charles P. Wright, Jay Dave, Puja Gupta, Harikesavan Krishnan, David P. Quigley, Erez Zadok, Mohammad Nayyer Zubair

February 2006 ACM Transactions on Storage (TOS), Volume 2 Issue 1

Publisher: ACM

Full text available:  [Pdf](#) (317.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 87, Citation Count: 4

Administrators often prefer to keep related sets of files in different locations or media, as it is easier to maintain them separately. Users, however, prefer to see all files in one location for convenience. One solution that accommodates both needs ...

Keywords: Namespace management, directory merging, snapshotting, stackable file systems, unification

14 [Separate the static from the dynamic with Tomcat and Apache](#)

Alan Berg

January 2008 Linux Journal, Volume 2008 Issue 165

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [HTML](#) (22.41 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 171, Citation Count: 0

Efficiency tricks with Apache and Tomcat.

15 [Enhancing web browsing security on public terminals using mobile composition](#)



Richard Sharp, Anil Madhavapeddy, Roy Want, Trevor Perring

June 2008 MobiSys '08: Proceeding of the 6th international conference on Mobile systems, applications, and services

Publisher: ACM

Full text available:  [PDF](#) (492.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 103, Citation Count: 0

This paper presents an architecture that affords mobile users greater trust and security when browsing the internet (e.g., when making personal/financial transactions) from public terminals at Internet Cafes or other unfamiliar locations. This is achieved ...

Keyw ords: crimeware, phishing, split-trust, trusted personal device, user interface design

16 [Protecting browsers from dns rebinding attacks](#)



Collin Jackson, Adam Barth, Andrew Bortz, Weidong Shao, Dan Boneh

October 2007 CCS '07: Proceedings of the 14th ACM conference on Computer and communications security

Publisher: ACM

Full text available:  [PDF](#) (1.32 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 422, Citation Count: 1

DNS rebinding attacks subvert the same-origin policy of browsers and convert them into open network proxies. We survey new DNS rebinding attacks that exploit the interaction between browsers and their plug-ins, such as Flash and Java. These attacks can ...


Keyw ords: click fraud, dns, firewall, same-origin policy, spam

17 [Kernel korner: unionfs: bringing filesystems together](#)

Charles P. Wright, Erez Zadok

December 2004 Linux Journal, Volume 2004 Issue 128

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [HTML](#) (22.40 KB) Additional Information: [full citation](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 76, Citation Count: 0

18 [Encrypt your root filesystem](#)

Mike Petullo

January 2005 Linux Journal, Volume 2005 Issue 129

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [HTML](#) (24.01 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 59, Citation Count: 0

Get high-grade security for all your data even when you can't lock up the hardware.

19 [My triple-boot laptop](#)

Surdas Mohit

December 2007 [Linux Journal](#), Volume 2007 Issue 164

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [HTML](#) (1.13 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 108, Citation Count: 0

So nice, install it thrice.

20 [Virtual integrated TCP testbed \(VITT\)](#)

Carlo Caini, Rosario Firrincieli, Renzo Davoli, Daniele Lacamera

March 2008 [TridentCom '08: Proceedings of the 4th International Conference on Testbeds and research infrastructures for the development of networks & communities](#)

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available:  [PDF](#) (263.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 5, Citation Count: 0

Research on TCP performance relies either on simulation programs, which run on a single machine, or on the use of real testbeds, where different machines represent different network nodes and data exchange is made through physical network interfaces. ...

Keywords: KVM, TCP performance, VDE, testbed, virtualization

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